(FILE 'USPAT' ENTERED AT 15:44:27 ON 06 MAR 1998)
L1 2044 S UART
L2 22 S L1 AND FULL DUPLEX AND HALF DUPLEX MODE.
L3 9 S L2 AND SINGLE (P) CHANNEL
L4 9 S L3 AND RECEIVER
L5 9 S L4 AND COMPUTER
L6 8 S L5 AND INDICATORS
L7 8 S L6 AND PROCESSING
L8 8 S L7 AND TRANSMITTER
L9 8 S L8 AND LEAST
L10 8 S L9 AND INDICATION
L11 8 S L10 AND COMPLETELY

=> d 1-

1. 5,687,194, Nov. 11, 1997, Subscriber RF telephone system for providing multiple speech and/or data signals simultaneously over either a single or a plurality of RF channels; Eric Paneth, et al., 375/283; 370/330, 347, 436, 478; 455/466 [IMAGE AVAILABLE]

2. 5,657,358, Aug. 12, 1997, Subscriber RF telephone system for providing multiple speech and/or data signals simultaneously over either a single or plurality of RF channels; Eric Panech, et al., 375/356; 370/330, 347, 477; 455/422 [IMAGE AVAILABLE]

3. 5,121,391, Jun. 9, 1992, Subscriber RF telephone system for providing multiple speech and/or data singals simultaneously over either a single or a plurality of RF channels; Eric Paneth, et al., 370/341, 286, 345, 521; 455/562 [IMAGE AVAILABLE]

4. 5,119,375, Jun. 2, 1992, Subscriber RF telephone system for providing multiple speech and/or data signals simultaneously over either a single or a plurality of RF channels; Eric Paneth, et al., 370/345, 521; 455/562 [IMAGE AVAILABLE]

5. 5,022,024, Jun. 4, 1991, Subscriber RF telephone system for providing multiple speech and/or data signals simultaneously over either a single or a plurality of RF channels; Eric Paneth, et al., 370/334, 341; 375/240, 280 [IMAGE AVAILABLE]

6. 4,912,705, Mar. 27, 1990, Subscriber RF telephone system for providing multiple speech and/or data signals simultaneously over either a single or a plurality of RF channels; Eric Paneth, et al., 370/334, 341 [IMAGE AVAILABLE]

7. 4,817,089, Mar. 28, 1989, Subscriber RF telephone system for providing multiple speech and/or data signals simultaneously over either a single or a plurality of RF channels; Eric Paneth, et al., 370/280, 344, 347, 521 [IMAGE AVAILABLE]

8. 4,675,863, Jun. 23, 1987, Subscriber RF telephone system for providing multiple speech and/or data signals simultaneously over either a single or a plurality of RF channels; Eric Paneth, et al., 370/334,

US PAT NO: 5,687,194 [IMAGE AVAILABLE] L11: 1 of 8

ABSTRACT:
A . . . which may be analog and/or digital. The information signals are selected from the group consisting of voice, data, facsimile, video, **computer** and instrumentation signals. The modulation level of the signals and the power applied to the system are adjusted in accordance. . . plurality of RF channel pairs. Each channel pair operation is implemented by the combination of a transmit channel circuit for **processing** a given plural number of information signals received simultaneously over telephone company trunk lines for simultaneous transmission to different subscriber stations over a given RF channel, and a receive channel circuit for **processing** a plurality of signals received simultaneously over a given RF channel from different subscriber stations to provide information signals for. . .

SUMMARY:

BSUM(4)

The . . . which may be analog and/or digital. The information signals are selected from the group consisting of voice, data, facsimile, video, **computer** and instrumentation signals.

SUMMARY:

BSUM(8)

The . . . plurality of RF channel pairs. Each channel pair operation is implemented by the combination of a transmit channel circuit for **processing** a given plural number of information signals received simultaneously over telephone company trunk lines for simultaneous transmission to different subscriber stations over a given radio frequency (RF) channel, and a receive channel circuit for **processing** a plurality of signals received simultaneously over a given RF channel from different subscriber stations to provide information signals for. .

SUMMARY:

BSUM(10)

The transmit **channel** circuit includes a given plural number of separate signal compression devices for simultaneously compressing the digital signal samples respectively derived from separate ones of the conversion devices to provide the given number of separate compressed signals; a **channel** control unit connected to the compression devices for sequentially combining the compressed signals into a **single** transmit **channel** bit stream, with each of the respective compressed signals occupying a repetitive sequential slot position in the transmit **channel** bit stream associated with a predetermined one of the separate compression devices and a unit for providing a transmit **channel** signal for transmission over the predetermined RF **channel** in response to the transmit **channel** bit stream.

SUMMARY:

BSUM(14)

The receive channel circuit includes a **receiver** unit for receiving a receive channel signal and for **processing** the receive channel signal to provide a receive channel bit stream containing separate compressed signals in different respective repetitive sequential. . .

SUMMARY:

BSUM(20)

Features . . . techniques. For example, the combined use of a 14.6 Kbps voice coding technique and 16-level DPSK modulation allows four simultaneous **full-duplex** conversations to be supported on a single pair of 20 KHz Bw channels that are spaced 25 KHz apart in. . . particularly in the 400-500 MHz and 800-950 MHz segments. This combination provides good quality speech over a distance of at **least** 20 Km.